CLAIMS

1.   A computer-implemented method for administrating data objects in an information technology architecture comprising a plurality of data objects and a plurality of applications, wherein each application processes at least one of the data objects, the plurality of data objects being subject to changes, and wherein:

entries representative of data objects are registered in a first data structure;

entries representative of applications are registered in a second data structure, each entry comprising specifying data objects whose changes are relevant for the respective application;

the method performing the following:

receiving notifications regarding registered data objects as to changes of the data objects;

upon each receipt of a notification,

getting changed data from the notifying data object;

checking, among the registered applications, whether the change is relevant for each individual application,

notifying an application about the change if the change is relevant for that application; and

transmitting the relevant changed data to the application.

2.   The method of claim 1, further comprising:

expecting a confirmation of changes from an application after transmitting the changed data to the application.

3.   The method of claim 2, further comprising:

triggering a mechanism if an expected conformation is not received.

4.   The method of claim 1, further comprising:

registering entries of sub-objects, a sub-object being a set of data which is changed in dependence on a change of a key data object.

5.   The method of claim 4, further comprising:

transmitting the relevant changed sub-object data to the application after notifying the application.

6.   The method of claim 1, wherein specifying data objects whose changes are relevant for the respective application comprises:

receiving a list of fields whose changes are relevant for the respective application.

7.   The method of claim 1 further comprising:

filtering out data objects whose changes are not to be communicated to an application, prior to transmitting the relevant changed data to the application.

8.   The method of claim 1 wherein registering entries representative of applications includes:

specifying which changes of a data object are relevant for the application.

9.   The method of claim 1 further comprising:

registering the entries of data objects and applications in a customization structure of an agent.

10.   The method of claim 1, wherein an entry for an object comprises:
-     an ID representative of the data object;
-     an ID representative of the key of the data object;
-     a flag representative of activity;
-     an ID representative of the key structure of the data object;
-     an ID of the wrapper class.

11.   The method of claim 1, wherein an entry for an application comprises:
-     an ID representative of the application;
-     a flag representative of activity;
-     an ID representative of the expected structure of notification.

12.   The method of claim 1, wherein an entry for a sub-object comprises:

- an ID representative of the sub-object;
- an ID representative of the key data object;
- an ID representative of the structure of the data object;
- an ID representative of the object key object.

13. The method of claim 1, wherein a data object represents one of location, location-product, and transportation lane in context of a business application.

14. A computer-implemented framework for administrating data objects in an object-oriented computer program environment comprising a plurality of data objects, a plurality of methods for processing data objects, and a plurality of computer program applications, wherein each application makes use at least one of the data objects, whereby the data objects are subject to changes, the framework comprising:

an agent for administrating changes of data objects, the agent being configured to:

register entries representative of data objects in a first data structure;

register entries representative of applications in a second data structure, each entry comprising specifying data objects whose changes are relevant for the respective application;

call a first method by a data object to notify the agent about changes of the calling data object;

call a second method by the agent to changed data from the notifying data object;

call a third method by the agent to check, among the registered applications, whether the change is relevant for the applications, and notify each application about the change if the change is relevant for the application; and

call a fourth method by the agent to transmit the relevant changed data to the application after notifying the application.

15. The framework of claim 14, wherein the agent is further to:

present a first input interface to allow for registering the entries representative of data objects;

present a second input interface to allow for registering the entries representative of applications.

16. The framework of claim 14, wherein the agent is further to expect to receive a confirmation of changes from an application after transmitting the changed data to the application.

17. The framework of claim 16, wherein the agent further to:

trigger a mechanism if an expected conformation is not received.

18. The framework of claim 14, wherein the agent is further to:

register entries of sub-objects, a sub-object being a set of data which is changed in dependence on a change of a key data object.

19. The framework of claim 18, wherein the agent is further to transmit the relevant changed sub-object data to the application after notifying the application.

20. The framework of one of claims 14, wherein the agent is further to:

maintain a list of fields whose changes are relevant for the respective application.

21. The framework of one of claims 14, wherein the agent is further to:

filter out data objects whose changes are not to be communicated to an application, prior to transmitting the relevant changed data to the application.

22. The framework of one of claims 14, wherein registering entries representative of applications includes specifying which changes of a data object are relevant for the application.

23. The framework of one of claims 14, wherein the entries of data objects and applications are registered in a customization structure of the agent.

24.   The framework of one of claims 14, wherein an entry for an object comprises:

- an ID representative of the data object;
- an ID representative of the key of the data object;
- a flag representative of activity;
- an ID representative of the key structure of the data object;
- an ID of the wrapper class.

25.   The framework of one of claims 14, wherein an entry for an application comprises:

- an ID representative of the application;
- a flag representative of activity;
- an ID representative of the expected structure of notification.

26.   The framework of one of claims 14, wherein an entry for a sub-object comprises:

- an ID representative of the sub-object;
- an ID representative of the key data object;
- an ID representative of the structure of the data object;
- an ID representative of the object key object.

27.   The framework of one of claims 14, wherein a data object represents one of location, location-product, and transportation lane in context of a business application.

28.   The machine accessible median having instruction that when executed cause the machine to:

represent data objects registered in a first data structure;

represent applications registered in a second data structure, each entry comprising specifying data objects whose changes are relevant for the respective application;

receive notifications regarding registered data objects as to changes of the data objects;

upon each receipt of a notification,

get changed data from the notifying data object;

check among the registered applications whether the change is relevant for each individual application,

notify an application about the change if the change is relevant for that application; and

transmit the relevant changed data to the application.